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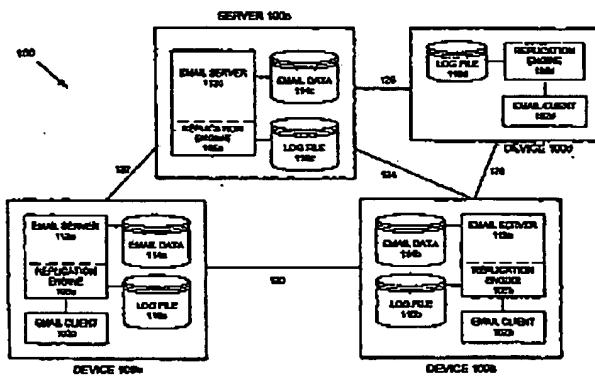
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(54) Title: SYNCHRONIZING DATA AMONG MULTIPLE DEVICES IN A PEER-TO-PEER ENVIRONMENT



(57) Abstract: A system for synchronizing data in a peer-to-peer environment includes multiple computing devices sharing a set of data. Each device includes a replication module for logging and tracking data changes with other devices. A device having sufficient resources may also include a local version of the shared data and an application server that allows access to the data even while the device is disconnected from other devices. The replication module logs a description of each operation that alters the data. When one device is connected to a second device in the system to synchronize data, the devices' replication modules exchange log entries. For example, one device receives from a second device data changes made by the second device and other devices that already synchronized with the second device. Thus, the method of data synchronization is transitive and allows a device to fully update its local copy of the shared data by connecting to just one other device, which may or may not be a central server.

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II INTERNATIONAL SEARCH REPORT

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	abstract column 4, line 10 -column 5, line 11 column 5, line 38 -column 6, line 12 column 9, line 37 -column 10, line 43 column 11, line 52 -column 12, line 19 column 13, line 19 - line 28 _____	
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A	abstract column 1, line 52 -column 3, line 8 column 3, line 59 -column 4, line 31 column 6, line 57 - line 64 column 8, line 1 - line 10 column 9, line 4 - line 58 column 10, line 30 - line 66 _____	1,11,17, 18,20

## INTERNATIONAL SEARCH REPORT

Information on patent family members

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